30mm Alarms with Electronic Volume Control

These alarms enable the user to select a sound level by electronic means. Since the user is in control of the sound level, it can be changed at any time by the equipment controller or electronic circuitry even while the alarm is sounding.

The first set of models offers one sound type which can be electronically changed between three different sound levels at any time. For example, the application could have an alarm with a fast pulse sound where the equipment controller could choose between a soft, medium, or loud sound level.

A second set of models offers two sound types which are available with two different sound levels (all electronically controlled). For example, the user could select a model that offers a continuous sound and a fast pulse sound where the equipment controller could choose either sound with a loud sound level or an extra-loud sound level.

KEY FEATURES:

- 30mm Panel Alarm Package
- 12 Vdc, 24 Vdc, or 48 Vdc
- 2000 Hz or 3000 Hz Frequency
- Terminations: Screw Terminals, Flat Blades, or Terminal Block (Finger-Proof Safe)
- CUL & UL Approved; RoHS Compliant

- Continuous, Fast Pulse, Slow Pulse, and Medium Pulse Sounds Available
- Chose from 1 sound type with 3 different sound levels, or from 2 sound types with 2 different sound levels.
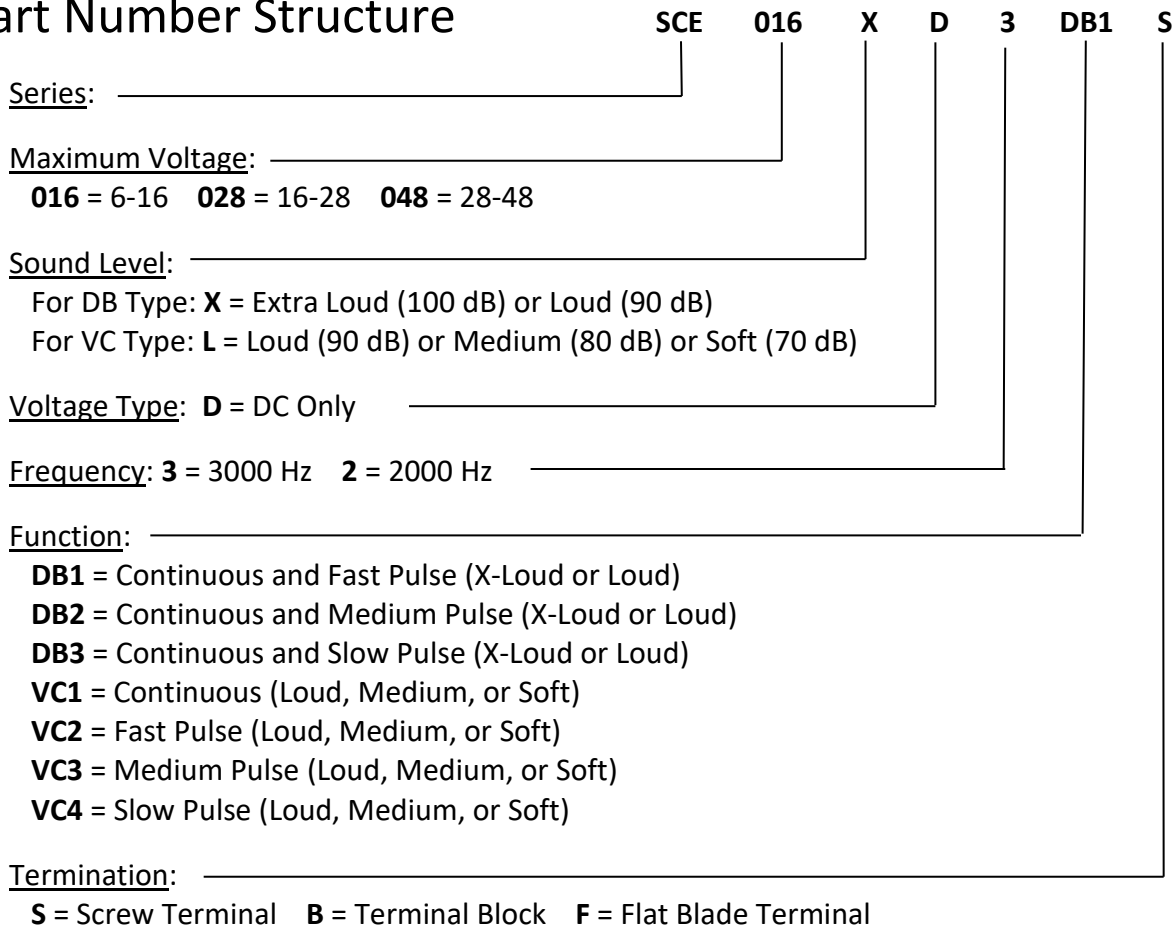- NEMA 3R/4X/12, CSA C22.2 No. 94, and IP-66 (Order with P/N ACC03)

SPECIFICATIONS:

Operating Voltages:	12 Vdc (9 to 16 Vdc)
	24 Vdc (16 to 28 Vdc)
	48 Vdc (28 to 48 Vdc)
Max Current:	40 mA
Panel Hole Size:	30 mm up to 1.25"
Part Size:	1.90" x 0.81" (2 kHz)
	1.69" x 0.81" (3 kHz)
UL File No.:	NKCR2.E478987
CUL File No.:	NKCR8.E478987

Sounds Available:	Continuous, Fast Pulse, Medium Pulse, and Slow Pulse
Terminations:	Screw Terminals; Terminal Block, or Flat Blade Terminals
Temperature Rating:	-40 to 85 C (Operating/Storage)
Waterproof Rating:	NEMA 3R/4X/12, CSA 22.2 No. 94 & IP-66 (order with P/N ACC03)
Other Sound Needs:	Contact Mallory at 317-612-1000 or info@mspindy.com

Part Numbering System
30mm Alarms with Electronic Volume Control

Part Number Structure   SCE   016   X   D   3   DB1   S

Series: _____

Maximum Voltage: _____
   016 = 6-16   **028** = 16-28   **048** = 28-48

Sound Level: _____
   For DB Type: **X** = Extra Loud (100 dB) or Loud (90 dB)
   For VC Type: **L** = Loud (90 dB) or Medium (80 dB) or Soft (70 dB)

Voltage Type: **D** = DC Only _____

Frequency: **3** = 3000 Hz   **2** = 2000 Hz _____

Function: _____
   DB1 = Continuous and Fast Pulse (X-Loud or Loud)
   DB2 = Continuous and Medium Pulse (X-Loud or Loud)
   DB3 = Continuous and Slow Pulse (X-Loud or Loud)
   VC1 = Continuous (Loud, Medium, or Soft)
   VC2 = Fast Pulse (Loud, Medium, or Soft)
   VC3 = Medium Pulse (Loud, Medium, or Soft)
   VC4 = Slow Pulse (Loud, Medium, or Soft)

Termination: _____
   S = Screw Terminal   **B** = Terminal Block   **F** = Flat Blade Terminal

Notes: All alarms come with an additional 2 control wires. See the individual data sheet on
   how to connect the control wires to activate the different sounds and sound levels.

   Fast Pulse = 10 pps; Medium Pulse = 5 pps; Slow Pulse = 1 pps

One Sound Type and Three Sound Levels

Part Number	Sound Type	Sound Freq (Hz)	Rated Voltage	Termination	Sound Levels Available
Continuous Tone- 2000 Hz Frequency					
SCE016LD2VC1S	Continuous	2000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD2VC1B	Continuous	2000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD2VC1F	Continuous	2000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD2VC1S	Continuous	2000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD2VC1B	Continuous	2000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD2VC1F	Continuous	2000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD2VC1S	Continuous	2000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD2VC1B	Continuous	2000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD2VC1S	Continuous	2000	48 Vdc	Flat Blades	Soft, Med, & Loud
Continuous Tone- 3000 Hz Frequency					
SCE016LD3VC1S	Continuous	3000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD3VC1B	Continuous	3000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD3VC1F	Continuous	3000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD3VC1S	Continuous	3000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD3VC1B	Continuous	3000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD3VC1F	Continuous	3000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD3VC1S	Continuous	3000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD3VC1B	Continuous	3000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD3VC1S	Continuous	3000	48 Vdc	Flat Blades	Soft, Med, & Loud
Fast Pulse Tone- 2000 Hz Frequency					
SCE016LD2VC2S	Fast Pulse	2000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD2VC2B	Fast Pulse	2000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD2VC2F	Fast Pulse	2000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD2VC2S	Fast Pulse	2000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD2VC2B	Fast Pulse	2000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD2VC2F	Fast Pulse	2000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD2VC2S	Fast Pulse	2000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD2VC2B	Fast Pulse	2000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD2VC2S	Fast Pulse	2000	48 Vdc	Flat Blades	Soft, Med, & Loud
Fast Pulse Tone- 3000 Hz Frequency					
SCE016LD3VC2S	Fast Pulse	3000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD3VC2B	Fast Pulse	3000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD3VC2F	Fast Pulse	3000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD3VC2S	Fast Pulse	3000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD3VC2B	Fast Pulse	3000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD3VC2F	Fast Pulse	3000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD3VC2S	Fast Pulse	3000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD3VC2B	Fast Pulse	3000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD3VC2S	Fast Pulse	3000	48 Vdc	Flat Blades	Soft, Med, & Loud

One Sound Type and Three Sound Levels (con't)

Part Number	Sound Type	Sound Freq (Hz)	Rated Voltage	Termination	Sound Levels Available
Medium Pulse Tone- 2000 Hz Frequency					
SCE016LD2VC3S	Med Pulse	2000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD2VC3B	Med Pulse	2000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD2VC3F	Med Pulse	2000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD2VC3S	Med Pulse	2000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD2VC3B	Med Pulse	2000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD2VC3F	Med Pulse	2000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD2VC3S	Med Pulse	2000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD2VC3B	Med Pulse	2000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD2VC3S	Med Pulse	2000	48 Vdc	Flat Blades	Soft, Med, & Loud
Medium Pulse Tone- 3000 Hz Frequency					
SCE016LD3VC3S	Med Pulse	3000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD3VC3B	Med Pulse	3000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD3VC3F	Med Pulse	3000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD3VC3S	Med Pulse	3000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD3VC3B	Med Pulse	3000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD3VC3F	Med Pulse	3000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD3VC3S	Med Pulse	3000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD3VC3B	Med Pulse	3000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD3VC3S	Med Pulse	3000	48 Vdc	Flat Blades	Soft, Med, & Loud
Slow Pulse Tone- 2000 Hz Frequency					
SCE016LD2VC4S	Slow Pulse	2000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD2VC4B	Slow Pulse	2000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD2VC4F	Slow Pulse	2000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD2VC4S	Slow Pulse	2000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD2VC4B	Slow Pulse	2000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD2VC4F	Slow Pulse	2000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD2VC4S	Slow Pulse	2000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD2VC4B	Slow Pulse	2000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD2VC4S	Slow Pulse	2000	48 Vdc	Flat Blades	Soft, Med, & Loud
Slow Pulse Tone- 3000 Hz Frequency					
SCE016LD3VC4S	Slow Pulse	3000	12 Vdc	Screw Terms	Soft, Med, & Loud
SCE016LD3VC4B	Slow Pulse	3000	12 Vdc	Terminal Block	Soft, Med, & Loud
SCE016LD3VC4F	Slow Pulse	3000	12 Vdc	Flat Blades	Soft, Med, & Loud
SCE028LD3VC4S	Slow Pulse	3000	24 Vdc	Screw Terms	Soft, Med, & Loud
SCE028LD3VC4B	Slow Pulse	3000	24 Vdc	Terminal Block	Soft, Med, & Loud
SCE028LD3VC4F	Slow Pulse	3000	24 Vdc	Flat Blades	Soft, Med, & Loud
SCE048LD3VC4S	Slow Pulse	3000	48 Vdc	Screw Terms	Soft, Med, & Loud
SCE048LD3VC4B	Slow Pulse	3000	48 Vdc	Terminal Block	Soft, Med, & Loud
SCE048LD3VC4S	Slow Pulse	3000	48 Vdc	Flat Blades	Soft, Med, & Loud

Two Sound Types and Two Sound Levels

Part Number	Sound Type #1	Sound Type #2	Sound Freq (Hz)	Rated Voltage	Termination	Sound Levels Available
Continuous and Fast Pulse Tone- 2000 Hz Frequency						
SCE016XD2DB1S	Continuous	Fast Pulse	2000	12 Vdc	Screw Terms	Loud & X-Loud
SCE016XD2DB1B	Continuous	Fast Pulse	2000	12 Vdc	Terminal Block	Loud & X-Loud
SCE016XD2DB1F	Continuous	Fast Pulse	2000	12 Vdc	Flat Blades	Loud & X-Loud
SCE028XD2DB1S	Continuous	Fast Pulse	2000	24 Vdc	Screw Terms	Loud & X-Loud
SCE028XD2DB1B	Continuous	Fast Pulse	2000	24 Vdc	Terminal Block	Loud & X-Loud
SCE028XD2DB1F	Continuous	Fast Pulse	2000	24 Vdc	Flat Blades	Loud & X-Loud
SCE048XD2DB1S	Continuous	Fast Pulse	2000	48 Vdc	Screw Terms	Loud & X-Loud
SCE048XD2DB1B	Continuous	Fast Pulse	2000	48 Vdc	Terminal Block	Loud & X-Loud
SCE048XD2DB1F	Continuous	Fast Pulse	2000	48 Vdc	Flat Blades	Loud & X-Loud
Continuous and Fast Pulse Tone- 3000 Hz Frequency						
SCE016XD3DB1S	Continuous	Fast Pulse	3000	12 Vdc	Screw Terms	Loud & X-Loud
SCE016XD3DB1B	Continuous	Fast Pulse	3000	12 Vdc	Terminal Block	Loud & X-Loud
SCE016XD3DB1F	Continuous	Fast Pulse	3000	12 Vdc	Flat Blades	Loud & X-Loud
SCE028XD3DB1S	Continuous	Fast Pulse	3000	24 Vdc	Screw Terms	Loud & X-Loud
SCE028XD3DB1B	Continuous	Fast Pulse	3000	24 Vdc	Terminal Block	Loud & X-Loud
SCE028XD3DB1F	Continuous	Fast Pulse	3000	24 Vdc	Flat Blades	Loud & X-Loud
SCE048XD3DB1S	Continuous	Fast Pulse	3000	48 Vdc	Screw Terms	Loud & X-Loud
SCE048XD3DB1B	Continuous	Fast Pulse	3000	48 Vdc	Terminal Block	Loud & X-Loud
SCE048XD3DB1F	Continuous	Fast Pulse	3000	48 Vdc	Flat Blades	Loud & X-Loud
Continuous and Medium Pulse Tone- 2000 Hz Frequency						
SCE016XD2DB2S	Continuous	Med Pulse	2000	12 Vdc	Screw Terms	Loud & X-Loud
SCE016XD2DB2B	Continuous	Med Pulse	2000	12 Vdc	Terminal Block	Loud & X-Loud
SCE016XD2DB2F	Continuous	Med Pulse	2000	12 Vdc	Flat Blades	Loud & X-Loud
SCE028XD2DB2S	Continuous	Med Pulse	2000	24 Vdc	Screw Terms	Loud & X-Loud
SCE028XD2DB2B	Continuous	Med Pulse	2000	24 Vdc	Terminal Block	Loud & X-Loud
SCE028XD2DB2F	Continuous	Med Pulse	2000	24 Vdc	Flat Blades	Loud & X-Loud
SCE048XD2DB2S	Continuous	Med Pulse	2000	48 Vdc	Screw Terms	Loud & X-Loud
SCE048XD2DB2B	Continuous	Med Pulse	2000	48 Vdc	Terminal Block	Loud & X-Loud
SCE048XD2DB2F	Continuous	Med Pulse	2000	48 Vdc	Flat Blades	Loud & X-Loud
Continuous and Medium Tone- 3000 Hz Frequency						
SCE016XD3DB2S	Continuous	Med Pulse	3000	12 Vdc	Screw Terms	Loud & X-Loud
SCE016XD3DB2B	Continuous	Med Pulse	3000	12 Vdc	Terminal Block	Loud & X-Loud
SCE016XD3DB2F	Continuous	Med Pulse	3000	12 Vdc	Flat Blades	Loud & X-Loud
SCE028XD3DB2S	Continuous	Med Pulse	3000	24 Vdc	Screw Terms	Loud & X-Loud
SCE028XD3DB2B	Continuous	Med Pulse	3000	24 Vdc	Terminal Block	Loud & X-Loud
SCE028XD3DB2F	Continuous	Med Pulse	3000	24 Vdc	Flat Blades	Loud & X-Loud
SCE048XD3DB2S	Continuous	Med Pulse	3000	48 Vdc	Screw Terms	Loud & X-Loud
SCE048XD3DB2B	Continuous	Med Pulse	3000	48 Vdc	Terminal Block	Loud & X-Loud
SCE048XD3DB2F	Continuous	Med Pulse	3000	48 Vdc	Flat Blades	Loud & X-Loud

Two Sound Types and Two Sound Levels (con't)

Part Number	Sound Type #1	Sound Type #2	Sound Freq (Hz)	Rated Voltage	Termination	Sound Levels Available
Continuous and Slow Pulse Tone- 2000 Hz Frequency						
SCE016XD2DB3S	Continuous	Slow Pulse	2000	12 Vdc	Screw Terms	Loud & X-Loud
SCE016XD2DB3B	Continuous	Slow Pulse	2000	12 Vdc	Terminal Block	Loud & X-Loud
SCE016XD2DB3F	Continuous	Slow Pulse	2000	12 Vdc	Flat Blades	Loud & X-Loud
SCE028XD2DB3S	Continuous	Slow Pulse	2000	24 Vdc	Screw Terms	Loud & X-Loud
SCE028XD2DB3B	Continuous	Slow Pulse	2000	24 Vdc	Terminal Block	Loud & X-Loud
SCE028XD2DB3F	Continuous	Slow Pulse	2000	24 Vdc	Flat Blades	Loud & X-Loud
SCE048XD2DB3S	Continuous	Slow Pulse	2000	48 Vdc	Screw Terms	Loud & X-Loud
SCE048XD2DB3B	Continuous	Slow Pulse	2000	48 Vdc	Terminal Block	Loud & X-Loud
SCE048XD2DB3F	Continuous	Slow Pulse	2000	48 Vdc	Flat Blades	Loud & X-Loud
Continuous and Slow Pulse Tone- 3000 Hz Frequency						
SCE016XD3DB3S	Continuous	Slow Pulse	3000	12 Vdc	Screw Terms	Loud & X-Loud
SCE016XD3DB3B	Continuous	Slow Pulse	3000	12 Vdc	Terminal Block	Loud & X-Loud
SCE016XD3DB3F	Continuous	Slow Pulse	3000	12 Vdc	Flat Blades	Loud & X-Loud
SCE028XD3DB3S	Continuous	Slow Pulse	3000	24 Vdc	Screw Terms	Loud & X-Loud
SCE028XD3DB3B	Continuous	Slow Pulse	3000	24 Vdc	Terminal Block	Loud & X-Loud
SCE028XD3DB3F	Continuous	Slow Pulse	3000	24 Vdc	Flat Blades	Loud & X-Loud
SCE048XD3DB3S	Continuous	Slow Pulse	3000	48 Vdc	Screw Terms	Loud & X-Loud
SCE048XD3DB3B	Continuous	Slow Pulse	3000	48 Vdc	Terminal Block	Loud & X-Loud
SCE048XD3DB3F	Continuous	Slow Pulse	3000	48 Vdc	Flat Blades	Loud & X-Loud